

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NO.</b> 70131USPCT
		<b>U.S. APPLICATION NO.</b> <b>10/527571</b>
INTERNATIONAL APPLICATION NO. PCT/US2003/024982	INTERNATIONAL FILING DATE 8 August 2003	PRIORITY DATE CLAIMED 30 October 2002
<b>TITLE OF INVENTION</b> NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE PROTEINS ESSENTIAL FOR VIABILITY AND USES THEREOF		
<b>APPLICANT(S) FOR DO/EO/US</b> STAM et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau)
  - b.  has been communicated by the International Bureau
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US)
6.  An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau)
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. (c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items of information: Submission of Sequence Listing Including Statement of Verification; Express Mail Certificate; Credit Card Payment Form; and Return Postcard

US APPLICATION NO: <b>10/1527571</b>	INTERNATIONAL APPLICATION NO. PCT/EP03/008197	ATTORNEY'S DOCKET NO. 70059USPCT
21. The following fees are submitted:		
<input type="checkbox"/> a) Basic National fee.....\$300.00 <input type="checkbox"/> b) Examination fee.....\$200.00 <input type="checkbox"/> c) Search fee.....\$500.00 <b>TOTAL OF THE ABOVE CALCULATIONS = \$1000.00</b>		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
- 100 =	/50 =	x \$250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))		
CLAIMS FILED	NUMBER EXTRA	RATE
Total Claims	7 - 20 = 0	x \$50.00
Independent Claims	3 - 3 = 0	x \$200.00
MULTIPLE DEPENDENT CLAIM(S)		+ \$360.00
<b>TOTAL OF THE ABOVE CALCULATIONS = \$1000.00</b>		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.		
<b>SUBTOTAL = \$1000.00</b>		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))		
<b>TOTAL NATIONAL FEE = \$1000.00</b>		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property +		
<b>TOTAL FEES ENCLOSED = \$1000.00</b>		
		Amount to be refunded: \$
		charged: \$

- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1744. A duplicate copy of this sheet is enclosed.

**10/527571**

d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit Card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

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Mary Kakefuda  
SIGNATURE

Mary Kakefuda  
NAME

39,245  
REGISTRATION NUMBER

10/527571  
DT15 Rec'd PCT/PTO 14 MAR 2005

Attorney Docket No. 70131USPCT

**FILING BY "EXPRESS MAIL" UNDER 37 § C.F.R. 1.10**

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 under Express Mail Label No. ED 131981941 US on March 14, 2005.

- 1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)  
Concerning a Filing Under 35 U.S.C. 371
- 2) Application Data Sheet
- 3) Declaration and Power of Attorney for U.S. Patent Applications (3 total)
- 4) Submission of Sequence Listing Including Statement of Verification
- 5) Two Copies of the Computer Readable Form of the Sequence Listing on CD-R
- 6) Preliminary Amendment
- 7) Copy of published International Application No. PCT/US2003/024982
- 8) Credit Card Payment Form
- 9) Return Postcard

Melissa Hardy

Name

Melissa Hardy

Signature

Serial Number: 10/527,571

#11

PCT:

Please return this CD/these CD's to file wrapper. STIC does not process Copy 1 or Copy 2 CD's. If you want STIC to process this case, please send a CD marked either "CRF," "Copy 3" (for 371 cases), or "Copy 4 (for PCT/International cases).

For PCT files: STIC processes Copy 4 CD's.

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Thank you,  
STIC